LAWRENCE and CO., 55, Parliament-street, Westminster, and 16, York-place, Lambeth, Manufacturers and Dealers to Her Majesty's Government:—Patent Felt; various sorts of chimney-cowls and tops, perforated zinc in sheets, 24d per foot; rain pipe, 3 in., 4d. per foot; ball valve, 3d. per lb. Sheets, windows, skylights, dressing bar, &c. &c. Copper, zinc or brass plates prepared or engraved to best manner. Plumber and sheet-zinc worker wanted for good country practice.

DIXON'S INVISIBLE VENTILATOR.—This Ventilator is much neater and more simple than any hitherto brought out. Can be made of any shape or size, and can be placed so as to be invisible on any part of the window. It is accidentally broken, can be repaired by any country plasterer, at the cost only of 2 pence of glass.—Models may be seen, and every information had, by applying to JAMES PHILLIPS and Co., 118, Bishopsgate-street Without, London.

DR. ARNOTT'S VENTILATING CHIMNEY VALVE.

are made on the true principles, and under the immediate direction of Dr. Arnott. All architects and builders are respectfully informed, that to ensure ventilation really counteracted on Dr Arnott's principles, they must be procured from the original manufacturer. Spurious and bad articles, and repeated failures have taken place, under the name of valves purporting to be Dr. Arnott's, but which are in fact altogether different in construction, and have been condemned by the Doctor as not being by any means calculated to carry out the intentions; for, in their practical use, they are generally found to be an absolute impediment to the draught, and thereby useful as a means of ventilation. The public is so strong that many architects, in their specifications, have found it necessary to direct that DR ARNOTT'S VENTILATORS shall be of EDWARDS'S MANUFACTURE.

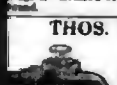
The Valve, made in a variety of patterns and sizes, at prices from 4s. to 30s. Terms to the trade on forwarders. Prospectus, with prices and sizes, to be had gratis from on application.

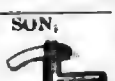
F. EDWARDS, 48, Poland-street, Oxford-street.

IN the Great Exhibition, Class XIII. No. 227.—The REGISTERED HYDROSTATIC SYPHON WATER PURIFIER.

This Instrument is self-acting and self-cleansing, and easily removed to be thoroughly cleansed and the pipes changed outside, in case of accident. It becomes a syphon. It purifies rain, river, tank, well, or pump water, effectually, completely preventing all animalcules from reaching it when purified it is perfectly wholesome. Invented, made, and sold by ALFRED BIRD, Kingsbury, Chemist, 13, Crescent-street, Birmingham. Prize Medal. Sold by all Iron-mongers and chemists. Agents, BRAHAM, Ironmonger; and EVANS, Ironmonger, London-bridge; and Wenham Lake Ice Company, Strand.

THOS. LAMBERT and SON,





PATENTEES of the Flexible Diaphragm and High-pressure Valve Cocks,

Ball Valves, and Self-acting Water-closets; manufacturers of Hydraulic, Gas, and Steam Fittings, Tin, Lead, and Composition Pipes.

GHOST-STREET, NEW CUT, LAMBETH, LONDON.

TO ARCHITECTS, BUILDERS, &c.

ATTENTION IS REQUESTED TO THE DIRECT ACTION BALL TAPS, invented and patented by H. THOMPSON, C.E.

In these Taps the old-fashioned lever is done away with, whose leverage action, whilst the water was being admitted, soon wore out the cone, and rendered the cock unsound.

The Direct Action Ball Taps cannot shut up or down, thereby either flooding or leaving premises with no water; a fault which is another constant cause of waste and damage.

They will fill a reservoir in less time than any other tap of similar dimensions, on account of the water-way remaining fully open until the water in the cistern is within one inch of the required level, when they shut off without the possibility of waste.

The perpendicular principle, with compensating valve inside, renders this action unerring and perfect under any pressure of water.

Specimens can be seen in action at the office; and all communications, with drawings, forwarded by application to HERBERT THOMPSON and Co., Engineers, 31, Parliament-street, Westminster.

STOCK and SON'S SOIL-PAN SERVICE-BOX.

The object of this contrivance is to combine the introduction of many improvements into the design of the working chamber, by the adoption of such an arrangement of those parts, upon which the efficiency of the entire apparatus depends, as will enable the consumer to supply himself with water service to be made available for the removal of the refuse matter by the common soil-pipe, by means of this description, to which water companies have so frequently and so properly objected. By the use of this apparatus an ample supply of water is obtained, without the necessity of the turning wasted by propping the valve, weighting the handle, or by other contrivances, so long as the soil-pipe remains open, a further supply cannot be drawn from the main.—Drawings and descriptions may be obtained from STOCK and SON, manufacturers of plumbers' brass work, gas-fittings, and church furniture, in iron and brass, Temple-street, Birmingham.

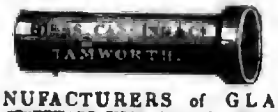
EXCLUDED THE EXHIBITION.—MOST IMPORTANT IMPROVEMENT.—Licensees granted to Earthenware Manufacturers, Fire Brick, Tile or Pipe Makers, and Agriculturists, for making Pipes with Sockets at one simultaneously during one body, and thereby saving all liability to be disjointed; also, by use of extra-pressure and method of construction of sockets.

THOMAS SPENCER'S IMPROVEMENTS in the MANUFACTURE of PIPES and TUBES, for SEWERAGE, WATER, FIELD DRAINS, &c. &c.; and also in the Manufacture of Garden Pots, Crucibles, Pans, Bowls, and other Hollow Earthenware. The patent process may be seen in active and efficient operation at the Patentee's Works, Moss Potteries, Prescot, Lancashire, where all parties interested are invited to inspect the same.

N.B. This process presents the three essentials of success—the largest quantity of produce, the best quality of article, at the least cost of manufacture.

Terms given, with any further particulars needed, on application there. ROBINSON and COOK, authorised Machine, Pipe, &c. Makers, St. Helens.

ILLUSTRATED TRADE LISTS; containing much information useful for reference; also suggestive of economic improvements respecting a MATERIAL which, when well wrought, is peculiarly suited for every other kind of pipe or conduit, for ridges, hips, gutters, and every part of roofs, for plain or ornamental floors, for paving and erections, of a strong and durable nature, like many other purposes, supplied genuine by THOMAS PEAKE (Importer of Peake's "Terra Wealdia"), Sc. 4, WILLIAM-CITY-ROAD BASIN, LONDON, and at THE TILERIES, TUNSTALL, STAFFORDSHIRE. The lists contain both prices by number and approximate cost by measure. It is solicited that letters be prepaid, and state if Staffordshire or London prices are wanted. Specimens at the GREAT EXHIBITION, Class 27, No 123 (having been at first No 111).



MANUFACTURERS of GLAZED STONEWARE PIPES, Bends, Junctions, &c., also FIRE BRICKS, Vertical Rise Retorts as used by her Majesty's Commissioners of Sewers. White Fire Clay, Fusing Bricks, &c. &c. Agents.—Messrs. FREEMAN and RICHARDSON, No 6, South Wharf, Paddington, London; Mr. W. RAWLINS, Bangor Wharf, Carnarvon, and Messrs. HEDITLET and Co., Adelphi Wharf, Strand.

DRAIN PIPE WORKS.—T. SMITH, 71 & 72, PRINCES-STREET, LAMBETH, and ALBION POTTERY, OLD FORD, BOW.

Builders, Contractors, and others, are invited to call, or forward their address on receipt of the address, &c., of the SALT-GLAZED and GLASS-LINED DRAIN PIPES.—Drawings, with list of prices and terms, may be had upon application, or forwarded per post.

JOHN DOULTON, Jun., LIVERPOOL POTTERY, ST. HELEN'S, LANCASHIRE.

The most economical and efficient system of Drainage is formed with DOULTON'S STONE-WARE PIPES

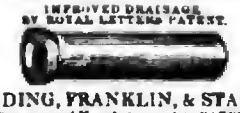
Testimonials as to their superiority have been received from the Borough Engineers of Liverpool, Glasgow, and other cities

FIRE-CLAY FLUE PIPES

TERRA COTTA CHIMNEY TOPS, &c. &c.

WAREHOUSE, 76, SOHO-STREET, LIVERPOOL.

IMPROVED DRAINAGE BY ROYAL LETTERS PATENT.



STANDING, FRANKLIN, & STANDING, Sole Patentees and Manufacturers of the PATENT GLAZED STONE WARE SEWAGE PIPE Offices, 81, Cornhill, entrance in Change-alley; Factory, Brunswick Wharf, Commercial-road, Limehouse.

By employing their patent machinery, S. F. and S. are enabled to produce a pipe for sewage and other purposes to every way be superior to those made by any other process, and more especially in those qualities so absolutely essential to a perfect, and cleanly mode of drainage. From the great and uniform amount of pressure, and peculiar construction of the machinery adhering the air is escaped, and to ensure burning, their pipes are entirely free from air bubbles, preventing their great strength, durability, and entirely preventing the moisture permeating through; they are much smoother on the inside, insuring a perfect passage for the sewage, and preventing any deposit.

Specimens may be seen at the offices, 81, Cornhill, where prices, &c., may be obtained, and licences granted for the use of the patent machines.

STEPHEN GREEN and CO.'S IMPROVED DRAIN PIPES, GLAZED INSIDE—WORKS, IMPERIAL POTTERIES, PRINCES-STREET, LAMBETH.

Common-shape Closet Pans, well glazed inside, 7s. 6d. each.

Extra, if fitted with the patent air-tight valve, by which the trap can be cleansed without removing the seat, 1s. 6d. each.

Various patterns of improved shapes always on hand.

Straight Tubes, Junctions, Bends, Curves, Elbows, Syphon-traps, Flap-traps, Urinals, Surface-inlets, and Increasing Pipes always kept stock.

Manufacturers of the

PATENT SYPHON FLUSHING-BASIN, WITHOUT METAL SPREADER, WITH SELF-ACTING CLOSET CONNECTIONS. Specimens of Pipes and Closets at the Great Exhibition, Classes 10 and 27. For illustrated drawings and lists, see Builder, May 31, 1851.

JAMES STIFF, MANUFACTURER of GLAZED STONE WARE DRAIN PIPES, BENDS, JUNCTIONS, TRAPS, &c., 29, HIGH STREET, LAMBETH, LONDON. Established 1751.

Water Closet Pans, with Syphon Traps, 7s. 6d. each.

STRAIGHT TUBES, with Socket Joints, in 3 feet lengths.

The great advantages attending the use of these articles are now so generally understood, as to render any consequences of them almost superfluous. Their cheapness, efficiency, and durability, are universally admitted; while the rapidly increasing demand for them proves their unrivalled superiority over every other kind hitherto before the public for similar purposes.

Inspection is invited to an assorted stock of Drain Tubes, of every form and size, adapted to the various purposes for which they are required; as also to the WATER-CLOSET PANS OF IMPROVED CONSTRUCTION, and interior glaze far surpassing any other manufactured of Brown Stone Ware.

N.B. These are made without the disadvantage before turned downwards.

May be had also at Messrs. GLADDISH'S LIME WHARFS, Pedlar's Acre, Westminster-bridge; City-road Wharf, City Basin; Dockhead, Bermondsey; Deane's Wharf, foot of Battersea-bridge, Chelsea; Frost Wharf, King's-road, Camden New Town.

Drawings and List of Prices will be forwarded on application.

REGISTERED CLOSET PANS WITH STRAIGHT BACKS. [No. 1818.]

DOULTON AND WATTS, LAMBETH POTTERY LONDON,

Offer these CLOSET PANS OF IMPROVED FORM WITH SYPHON TRAPS at the Price of the Common shaped Pans.

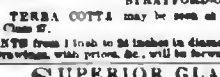
Price 7s. 6d. each.

A Liberal Discount allowed to Builders and Plumbers.

N.B.—Patterns Nos. 1, 2, 3, and 4, as in former Advertisements, manufactured to usual.

. The advantage of these Registered straight-back Pans is their greater CLEANLINESS. Patterns Nos. 1, 2, 3, and 4, as in former advertisements, manufactured as usual.

HENRY DOULTON AND CO.'S DRAIN PIPES IN GLAZED STONE WARE.



OFFICES—HIGH-STREET, LAMBETH, LONDON, and Granville-street Wharf, Broad street, Birmingham.
MANUFACTORIES—High-street, Lambeth, London; and Birmingham Pottery, Bowley Bents, Staffordshire.

May also be had as follows:—

BIRMINGHAM	Granville-street Wharf.	CHELTENHAM	Mr. J. Rimard.
GLOUCESTER	Mr. James Somerset.	LEICESTER	Messrs. J. and W. Jackson.
NORTHAMPTON	Messrs. Adams and Greenough.	WOLVERHAMPTON	Mr. R. Perkins.
WORCESTER	Messrs. Rowe Island and Son.	TAUNTON	Mr. Geo. Pollard.
COVENTRY	Mr. J. Alcock.	STRATFORD-ON-AVON	Messrs. J. Cox and Son.

SPECIMENS of DOULTON'S PIPES and TERRA COTTA may be seen at THE GREAT EXHIBITION, Hyde Park—outside the building, west end, north side, and in Class 27.

STRAIGHT TUBES WITH SOCKET JOINTS from 1 inch to 24 inches in diameter. BENDS, JUNCTIONS, TRAPS, &c. OF EVERY DESCRIPTION. Drawings, with prices, &c., will be forwarded free on application as above.

SUPERIOR GLAZED STONEWARE DRAIN PIPES, invented and manufactured by WILLIAM NORTHES, UNION POTTERY, No. 14, TATCHALL WALK, LAMBETH.

W. NORTHES begs to inform surveyors, contractors, builders, water companies, &c., that he has completed "Spencer's" new patent machinery for making GLAZED STONEWARE DRAIN PIPES, JUNCTIONS, BENDS, ELBOWS, SYPHON-TRAPS, &c. &c. Amongst the many advantages of pipes made by this machinery over all others may be mentioned, that it insures perfect uniformity in form and size, both of pipes and sockets, the due fixing of a different and better construction than any other now in use; and the pipes when made are being made by one process are secure from separation.

W. N. invites particular attention to the superior quality of the glaze used in his manufactory, which is equal to glass, and rendering stoppage to the drains impossible. CLOSET PANS, with loose and fixed traps, and improved inside white glaze.—W. NORTHES'S PIPES MAY BE INSPECTED AT THE FOLLOWING PLACES, WHERE ORDERS ARE RECEIVED:

Rimbar and Co.'s Wharf, Limehouse. Ringmead, Blackfriars, and Millbank, Westminster.—Martin and Wood's, Market Wharf, Bermondsey Park Basin.—J. C. Hillman, Craven and Horse-shoe Wharf, No. 4, Upper Thames-street.—Long and Son, Richmond.—Freeman and Richardson's, Pentil Wharf, Paddington.—G. Erith's Cambridge Heath Wharf, Hackney.—W. Perry's, Canal Bridge, old Kent-road.—Millwood and Sewell's Wharfs, Kensington Basin, and Creek Wharf Hammersmith.—J. Corbet's Depot, Britton-street Clerkenwell, and at the Pottery.